

USB APPLICATION ADOPTING BLUETOOTH PROFILE WITH A SHARING IMPLEMENTATION

ABSTRACT OF THE DISCLOSURE

A Short Range Connectivity Server (SRCS) is provided to manage transport connections. The SRCS is a standalone server that runs multiple service controllers using OBEX over Bluetooth and USB. The SRCS manages all transports enabling a transport plug in strategy to be adopted. This architecture provides a generic management mechanism to create and manage the transport layer connections. Modular design components enable Bluetooth and USB application development to be undertaken without requiring knowledge of the details of the individual transport protocols. This results in a completely transparent mechanism for application development regardless of transport. The SRCS is in charge of the higher layer services controllers. Additionally, a Service Controller framework is provided for Object Exchange Protocol (OBEX) related services.